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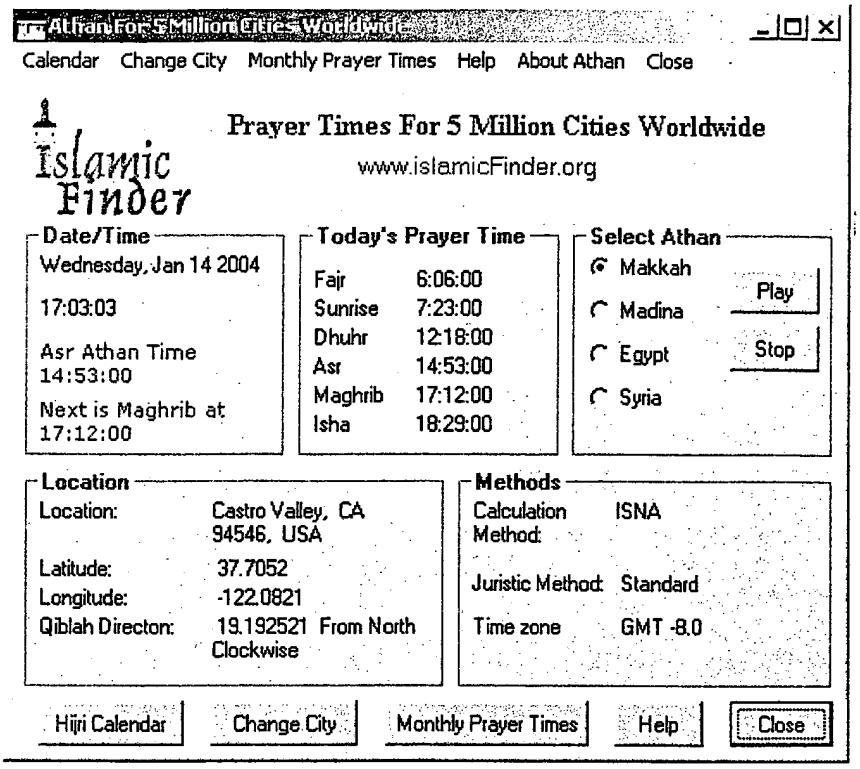
Q19. Which prayer times depend on the Prayer calculation method and juristic method?
Ans. Fajr and isha prayer time depend on five prayer calculation methods.

Organization	Angle of the sun under the Horizon (Fajr)	Angle of the sun under the Horizon (Isha)	Region
University Of Islamic Sciences, Karachi	18 Degrees	18 Degrees	Pakistan, Bangladesh, India, Afghanistan, Parts of Europe
Islamic Society of North America	15 Degrees	15 Degrees	Parts of the USA, Canada, Parts of the UK
Muslim World League	18 Degrees	17 Degrees	Europe, The Far East, Parts of the USA
Umm Al-Qura Committee	19 Degrees	90 minutes after the Sunset Prayer 120 minutes (in Ramadan only)	The Arabian Peninsula
Egyptian General Authority of Survey	19.5 Degrees	17.5 Degrees	Africa, Syria, Iraq, Lebanon, Malaysia, Parts of the USA

Asr prayer time depend on juristic method. In the standard method (which is used by imamas Shafi, Hanbali, and Malki) the Asr prayer time starts when the shadow of an object is equivalent to its height. Whereas in the Hanafi method the Asr prayer time starts when the shadow of an object is twice its height.

Fig (1) : A printout from "Frequently Asked Questions" FAQs at the website www.islamicfinder.org , the printout explains some factors used by different juristic methods, for the calculation of prayer timings.



Fajr: 5:50 AM
Dhohur: 12:18 PM
Asr: 2:54 PM
Mughrib: 5:13 PM
Isha: 6:40 PM

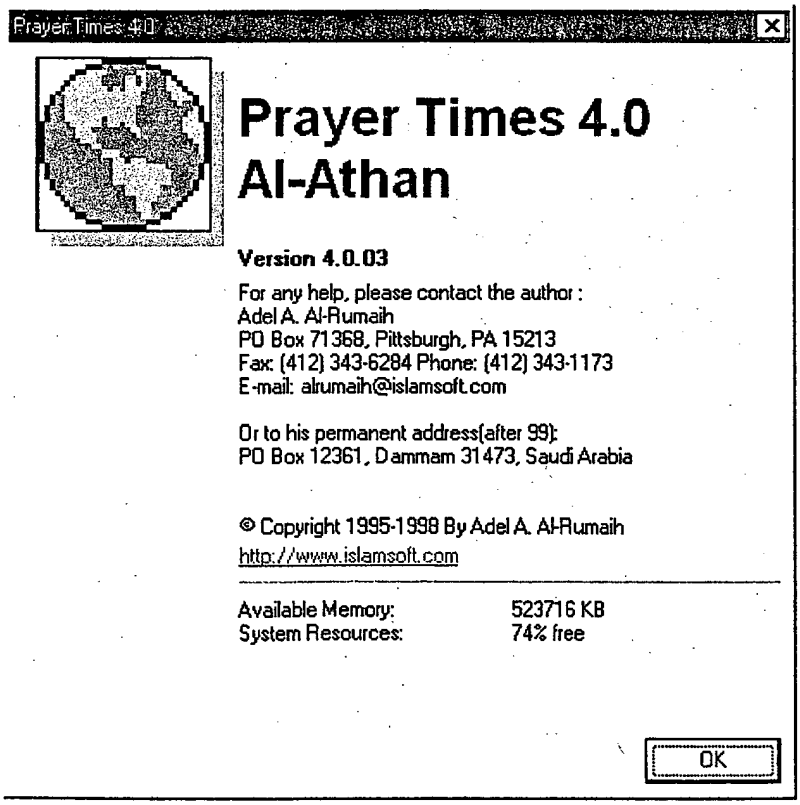


Fig (2) : The screen-shots from Azaan timings calculator software developed by www.islamsoft.com , and www.islamicfinder.org.

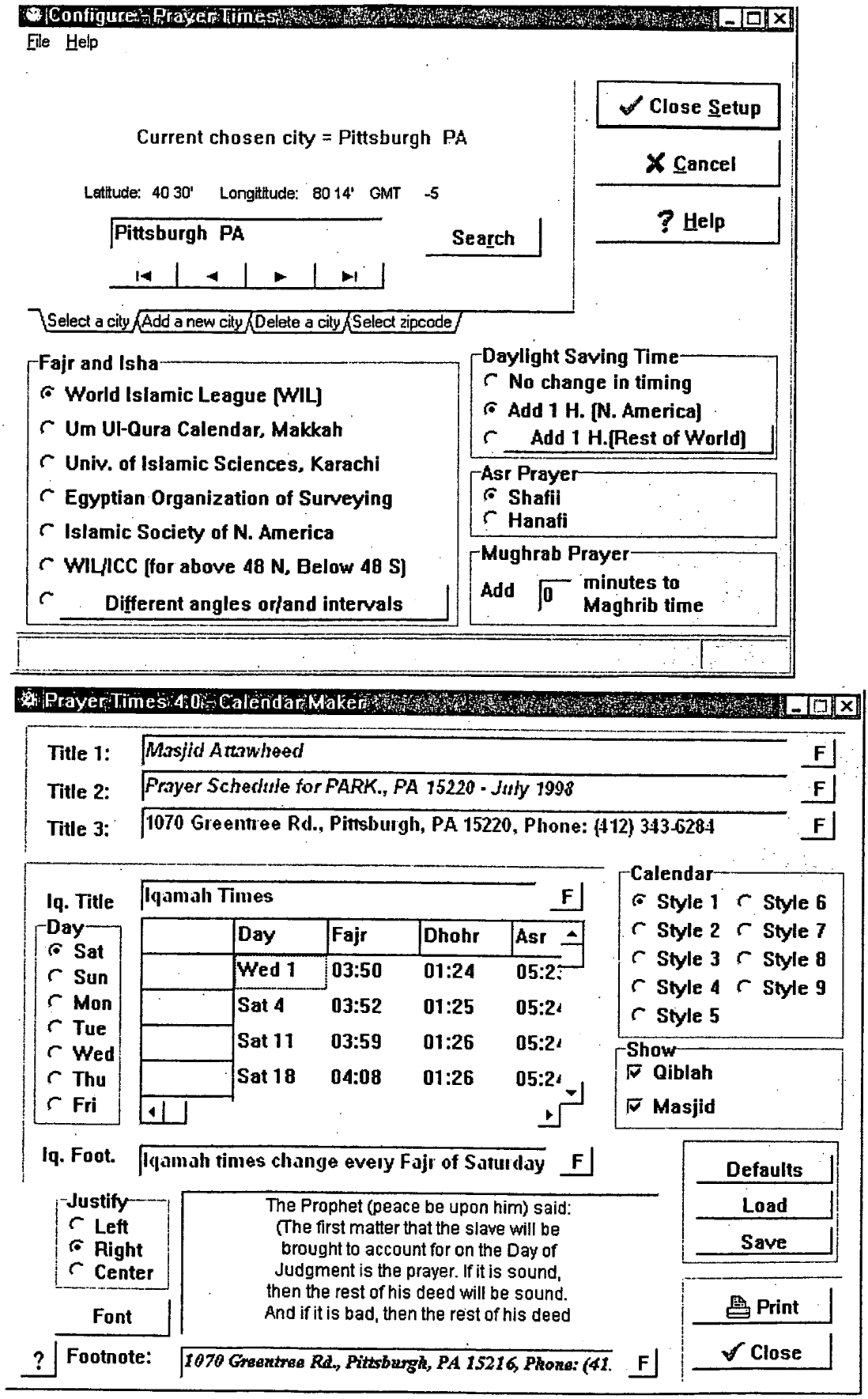
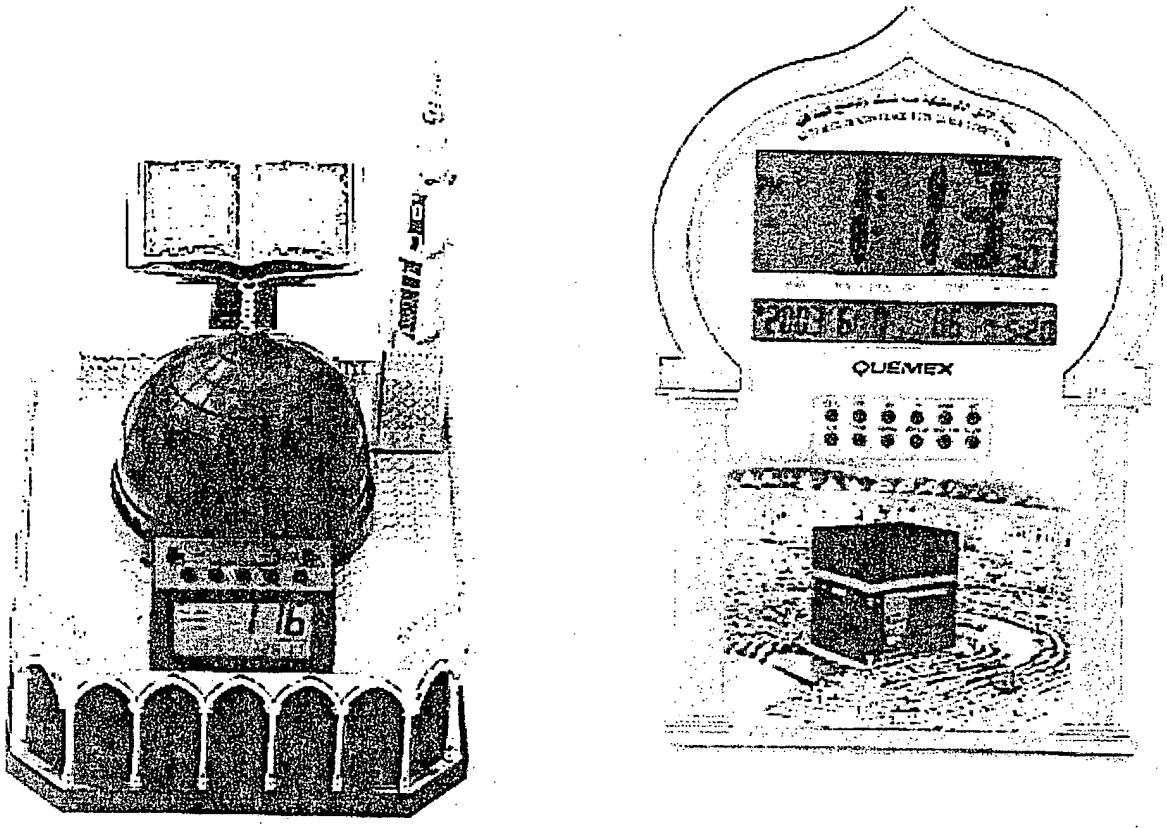


Fig (3) : Some more screen-shots of these freeware-software, which, **once calibrated for a specific location**, are programmed to keep on playing Azaan at the calculated timings **for that specific location.**



Some examples of Prior Art. All of these require **manual input of city code** to determine Azaan Timings. (source: http://onlineislamicstore.com)

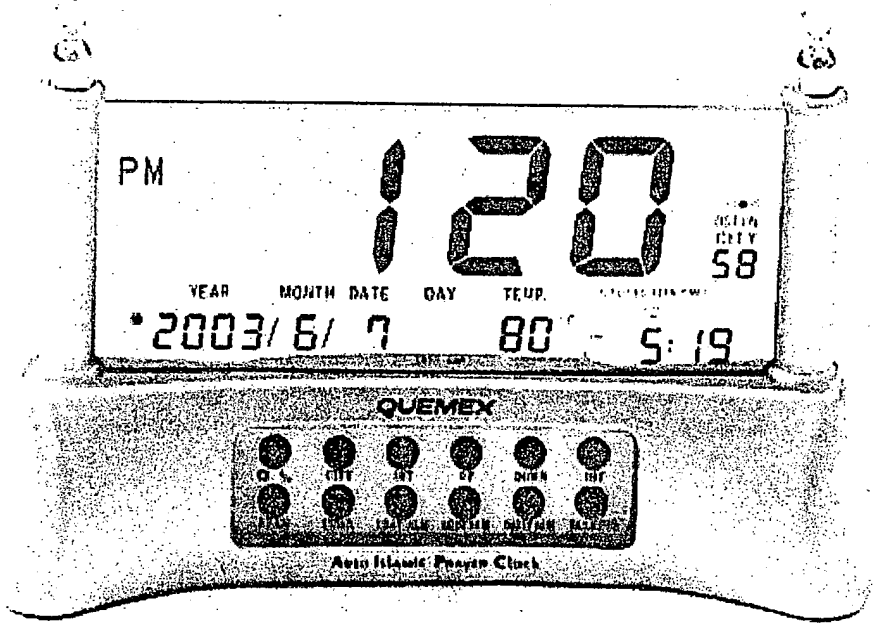
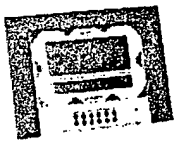
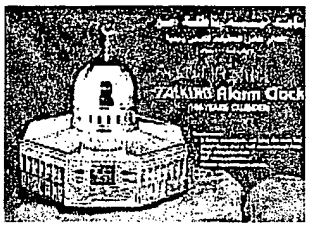


Fig (4): Some examples of Prior Art. These clocks are stand-alone units but all of these require **manual input of city code** to determine Azaan Timings. (source: http://onlineislamicstore.com)

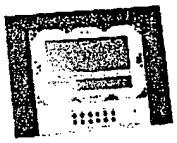
Home > Gifts > Azan Clocks



Beige color
For the wall or desk, with automatic changing of 5 prayer times.
Retail Price: $34.95
"Our Price": **$30.95**

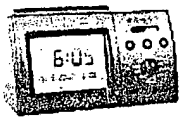


Azan Clocks

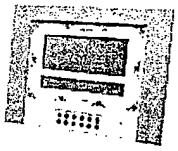


Islamic Prayer Azan Clock (Desk/Wall) - Blue color
For the wall or desk, with automatic changing of 5 prayer times.
Retail Price: $34.95
"Our Price": **$30.95**

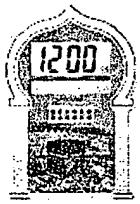
Auto Muslim Desk Azan Clock (Model QAC-80)
Ideal for nightstands and desks.
Retail Price: $39.95
"Our Price": **$34.95**



Al-Fajr Azan and Alarm Clock
Next-generation azan clock, volume control, bright backlight, clear coherent azan from Makkah, 260 city support, automatic prayer time changing, small footprint, and more!
Retail Price: $56.95
"Our Price": **$46.95**



For the wall or desk, with automatic changing of 5 prayer times.
Retail Price: $34.95
"Our Price": **$30.95**



Automatic Silver Azan Clock (Curved Shaped with Kaba Image)
Includes volume control and 400 city support!
Retail Price: $49.95
"Our Price": **$44.96**

Desktop Automatic Transparent Islamic Prayer Clock (Azan) - Metallic Beige Finish
Sleek new azan clock featuring transparent LCD display.
Retail Price: $24.95
"Our Price": **$22.45**

Prophet's Mosque in Madinah Azan Clock (Jumbo)
Retail Price: $24.95
"Our Price": **$22.46**

Islamic Prayer Azan Clock (Desk/Wall) -

Islamic Prayer Azan Clock (Desk/Wall) - Grey color

http://onlineislamicstore.com/azanclocks.html 12/19/200

Few more examples of Prior Art. These advertisements boast of supporting 260, and upto 400 cities. Again, all of these require **manual input of city code** to determine Azaan Timings. (source: http://onlineislamicstore.com)

Fig (5): Few more examples of Prior Art. These clocks boast of supporting 260, and up to 400 cities. Again, all of these require **manual input of city code** to determine Azaan Timings. (source: http://onlineislamicstore.com)

BRITISH MUSLIMS
Monthly Survey

About BMMS

Since 1993 BMMS has presented a monthly abstract of press reporting on Islam in Britain. Here is the most complete coverage of the subject available today. BMMS has followed the development of the Muslim Council of Britain since it was founded in 1993. It has covered the growing recognition of Islam in public life nationally and locally. The activities of local communities in schools, social and cultural life and in dialogue with other religions are recorded in the BMMS.

Working from newspaper clippings of all national and local, daily and weekly newspapers and magazines - from *The Times* and the *Daily Mail*, through the *Birmingham Post* and the *Barnsley* Star, to the *Spectator* and *Horse and Hounds*. English-language papers published by Muslim and ethnic minority organisations are also included.

BMMS July 1993 Page 1 of 1

The electronic muezzin

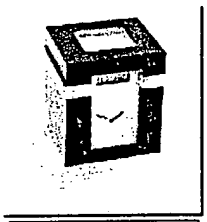
A British company has developed an electronic clock which will call Muslims to prayer at the correct times every day. The Adhan Clock was conceived by Kamal Siddiqui of Frazer Nash. The clock is built on a micro-processor and will give a digitally generated call to prayer at the correct time in any major city around the world. It will also show the direction of qibla and the distance from Makkah. It will record the exact phases of the moon, mark the start of each month and sound an electronic canon at the start and end of fasting during Ramadan. It is possible to work out from the clock the exact times of prayer for any date in the past or in the future.**[BMMS July 1993 Vol.1, No.7, p.7]**

Fig. (6): A news item in **"British Muslims Monthly Survey"**, about "The Adhan Superclock" developed by Kamal Siddiqui of Frazer-Nash, United Kingdom. (source http://artsweb.bham.ac.uk/bmms/aboutbmms.asp)

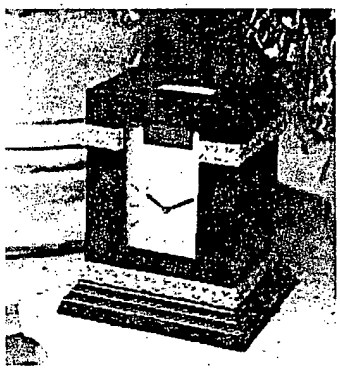
Fig. (7) : Certain salient features of "The Adhan Superclock" , Although, the company brochure claims that their product "calculates and calls the Adhan 5 times a day at the right time anywhere in the world.", but a closer look reveals that this product clearly lacks the flexibility required by the complexity caused by the differing juristic methods. (www.frazer-nash.com)

Back to Products Menu

The Adhan Superclock



Buy Online

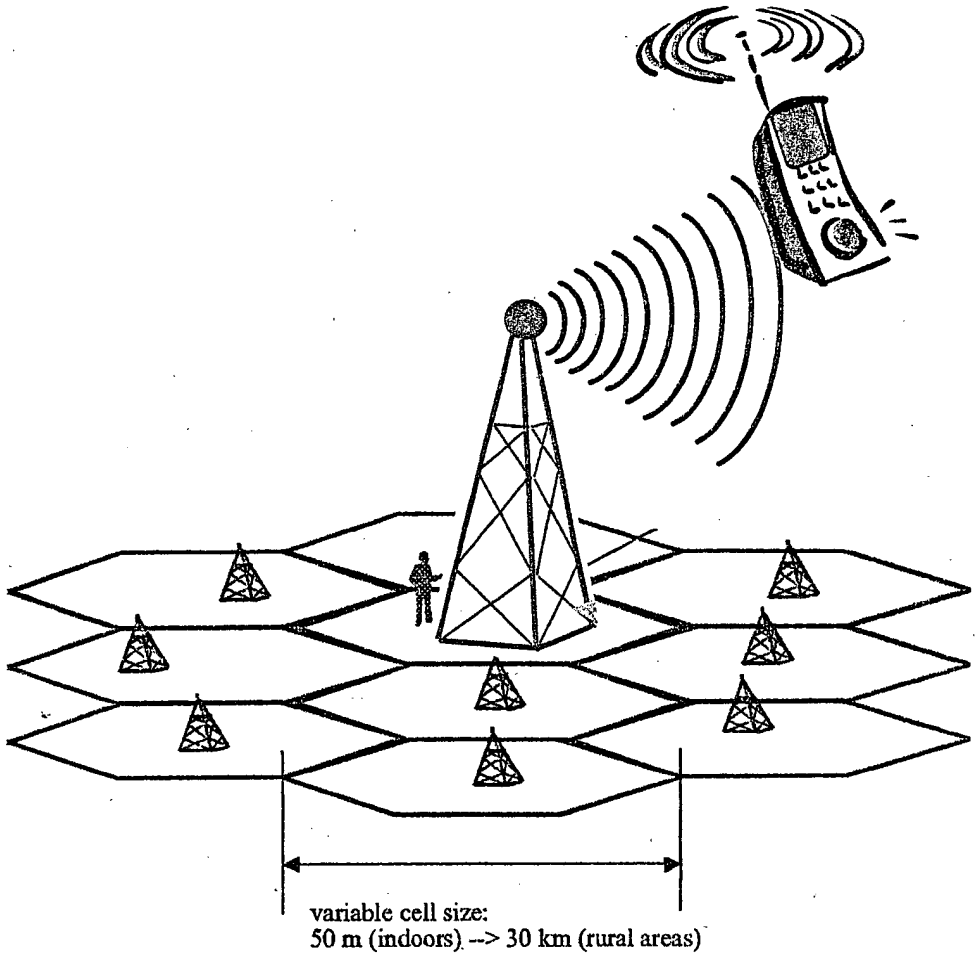


- Combines computer technology with complex astronomical simulation.
- Calculates and calls the Adhan 5 times a day at the right time anywhere in the world.
- The in-built electronic compass indicates the direction to Makkah.
- This remarkable product is now in use across the world.

For sales please call 0870 8870 786

To download a product datasheet, please click on any of the clock images above.

Fig. (8) : The claim of "complex astronomical simulation model (of earth & moon)", which by definition, is bound to rely on earth's magnetic field which fluctuates in response to changes in solar system, and thus the method can only yield highly approximate timings. (www.frazer-nash.com)



Subscribers communicate through base stations. Each cell has **ONE** base station and the "**CELL ID**" is also base-station's id, which is passed and known through out carrier infra-structure.

Fig (9): Cellular Networks, whereby whole coverage area is divided into adjacent hexagonal cells. Subscribers communicate through base stations. Each cell has **ONE** base station and the "**CELL ID**" is also base-station's id, which is passed and known through out carrier infra-structure.

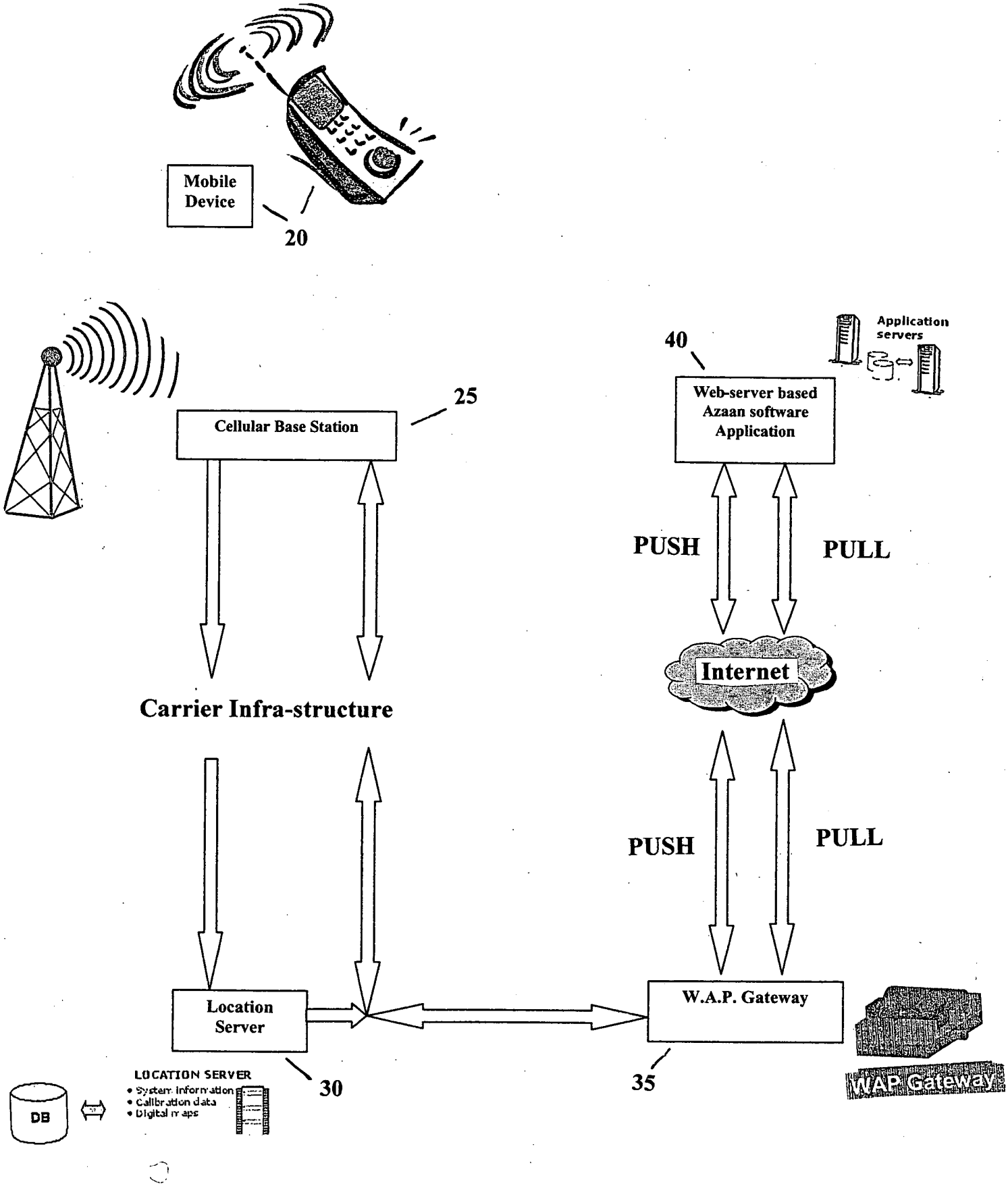


Fig (10): Main components of preferred embodiment of the system for usage of cellular phones to announce/notify timings of Muslim prayers.

Components of Web-Server based Software Application

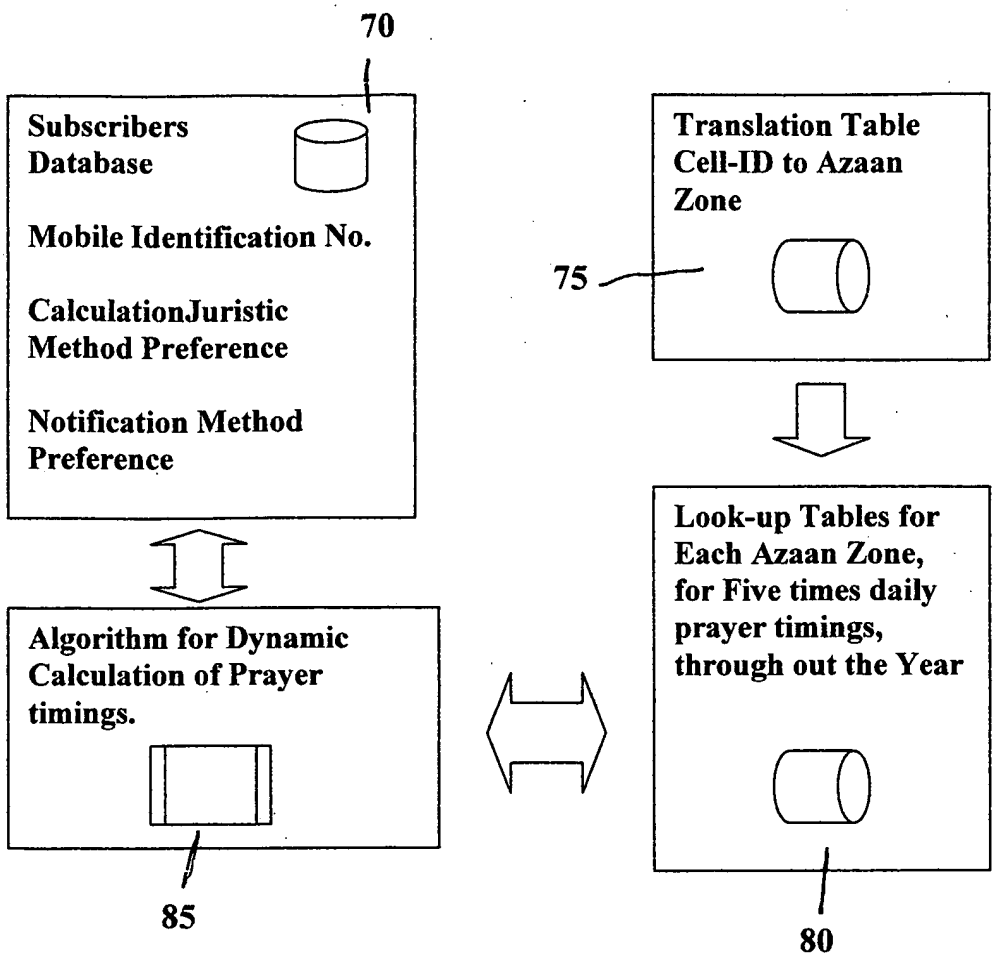


Fig (11): Components of Web-Server based Software Application

Fig (12) Flow Chart for Web-Server based Software Application

Scheduling Thread

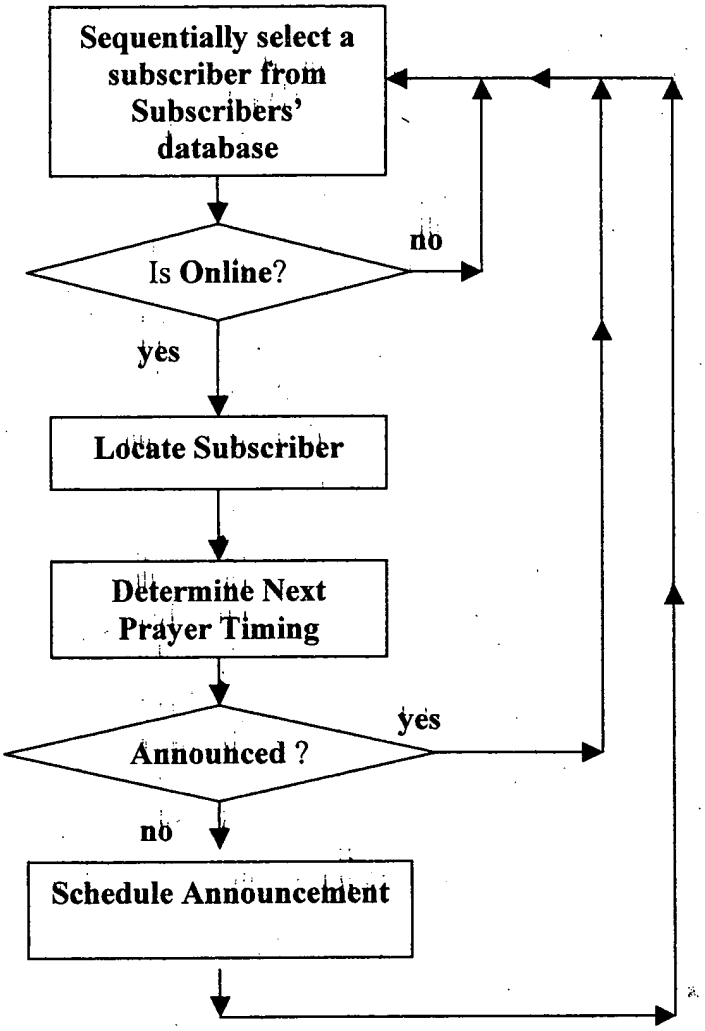


Fig (12): Flow Chart for Web-Server based Software Application - Scheduling Thread

Fig (13) Flow Chart for Web-Server based Software Application

Announcing Thread

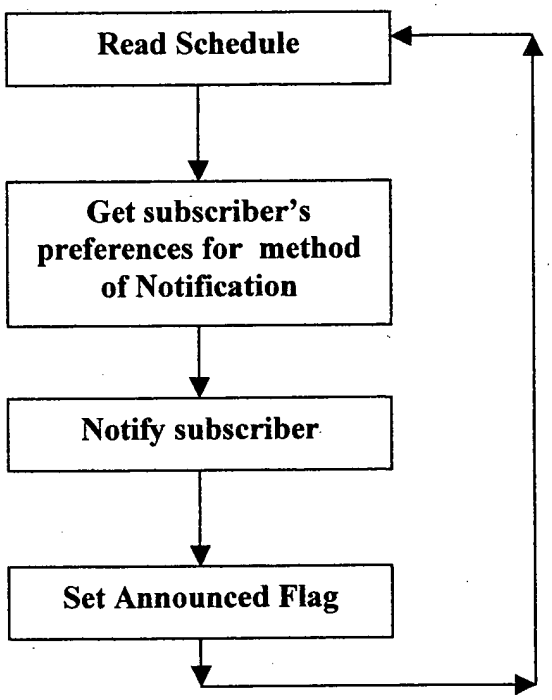


Fig (13): Flow Chart for Web-Server based Software Application - Announcing Thread